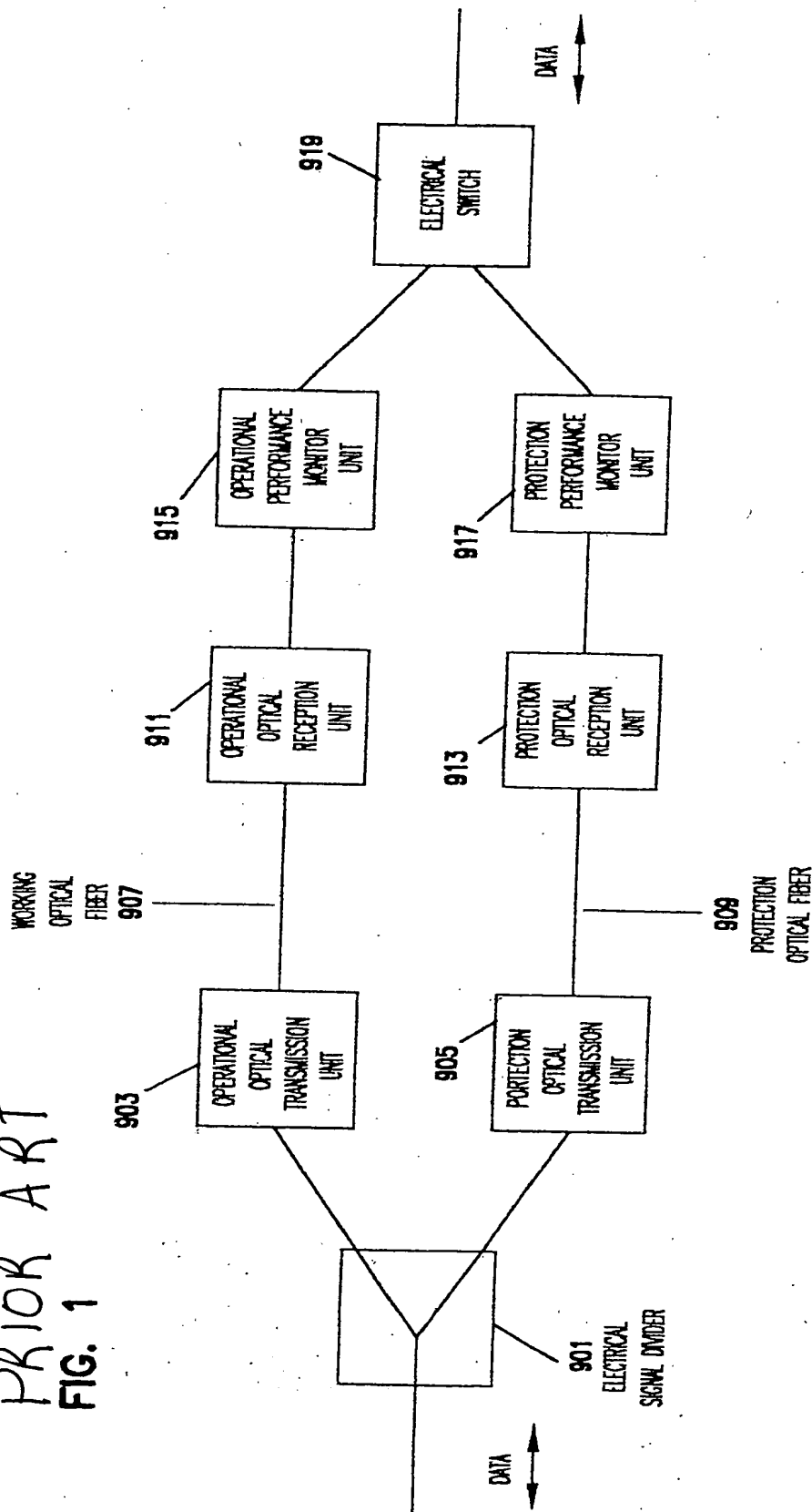


PRIOR ART
FIG. 1



DOCKET NO.: HITACHI-0015

Serial No.: 09/848,916

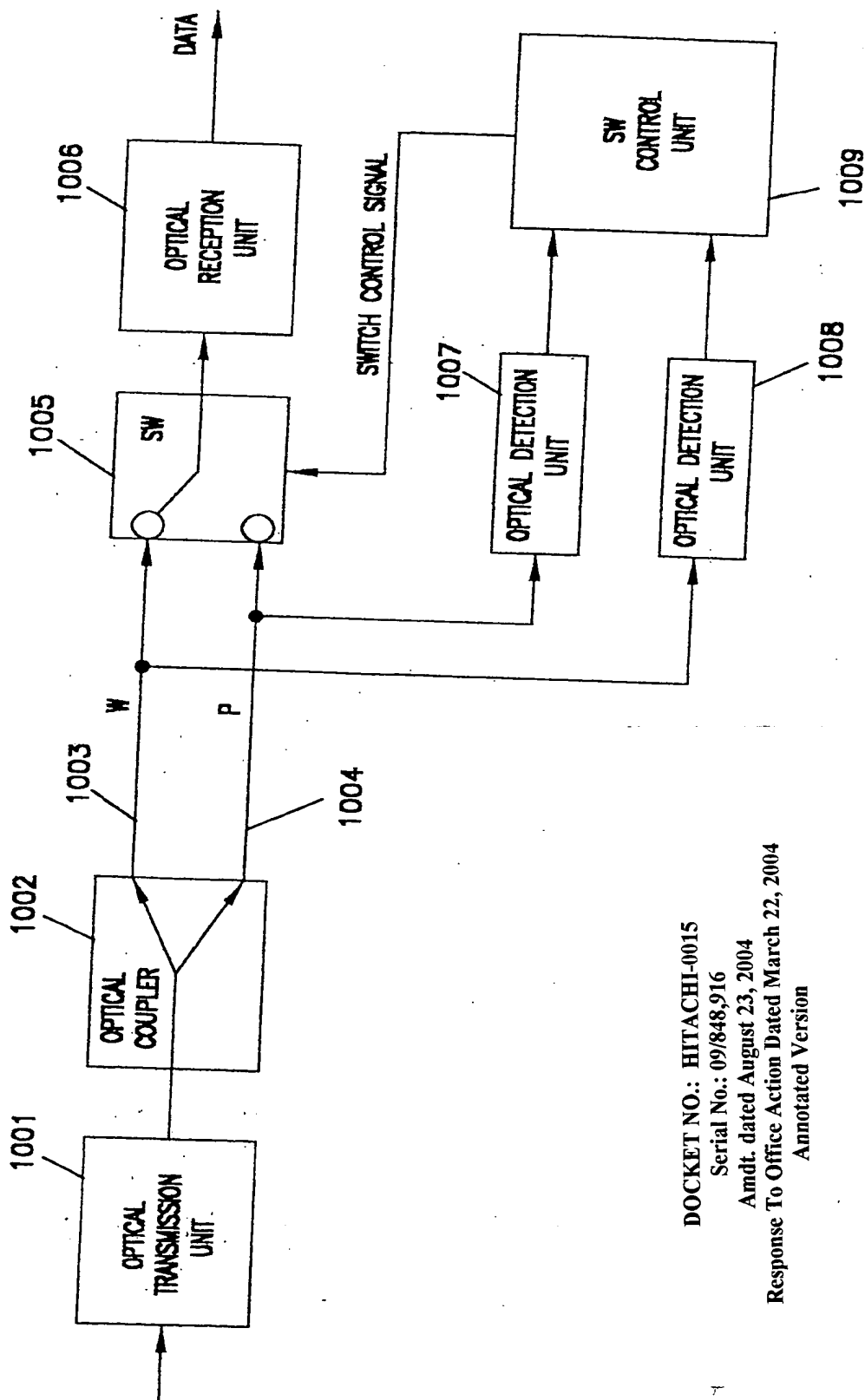
Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version

PRIOR ART

FIG. 2



DOCKET NO.: HITACHI-0015

Serial No.: 09/848,916

Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version





DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Annotated Version

FIG. 4

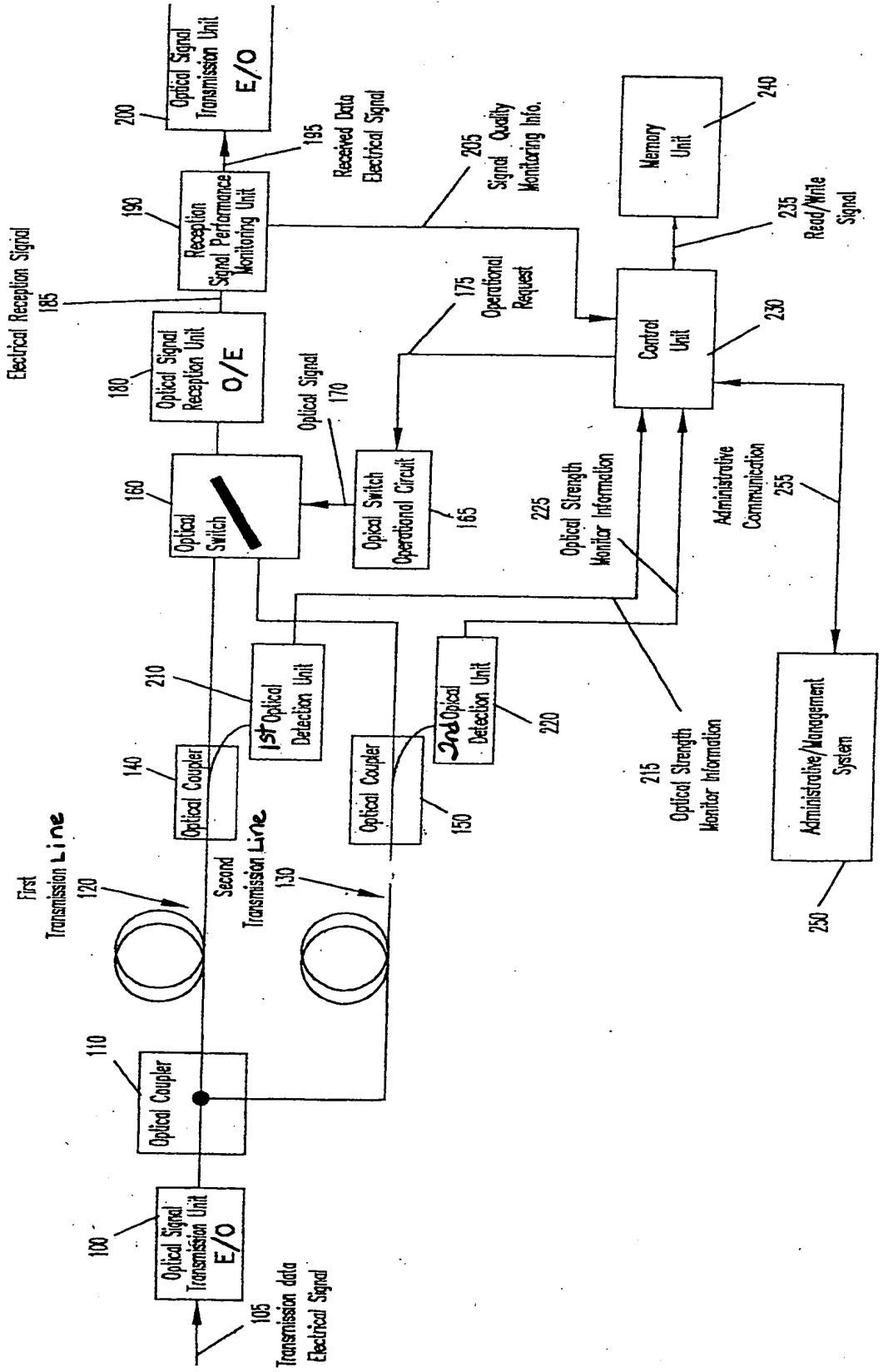


FIG. 5

The diagram illustrates a transmission line monitoring system. On the left, a vertical stack of components includes: Administrative/Management System (250), Control Unit (230), Memory Unit (240), Optical Switch Operational Circuit (165), Optical Switch (180), Reception Signal Performance Monitoring Unit (190), 1st ~~Transmitter~~ Optical Detection Unit (210), and 2nd ~~Transmitter~~ Optical Detection Unit (220). The central part of the diagram shows a horizontal timeline with several signal lines: 'Selecting First Transmission Line', 'Selecting Second Transmission Line', and 'Signal Monitoring In First Transmission Line'. These lines are marked with 'X' symbols. Below these lines, a series of boxes represent data and control signals: 300 (Check Request), 310 (Switch Request), 320 (Operating Signal), 330 (Detection Result), 340 (Switch Back Request), 350 (Operating Signal), 360 (Detection Result Storage), 370 (Confirmation Request), 380 (Read Request), 390 (Read), and 400 (Result Report). Arrows indicate the flow of these signals between the components and the central timeline.

Serial No.: 09/848,916

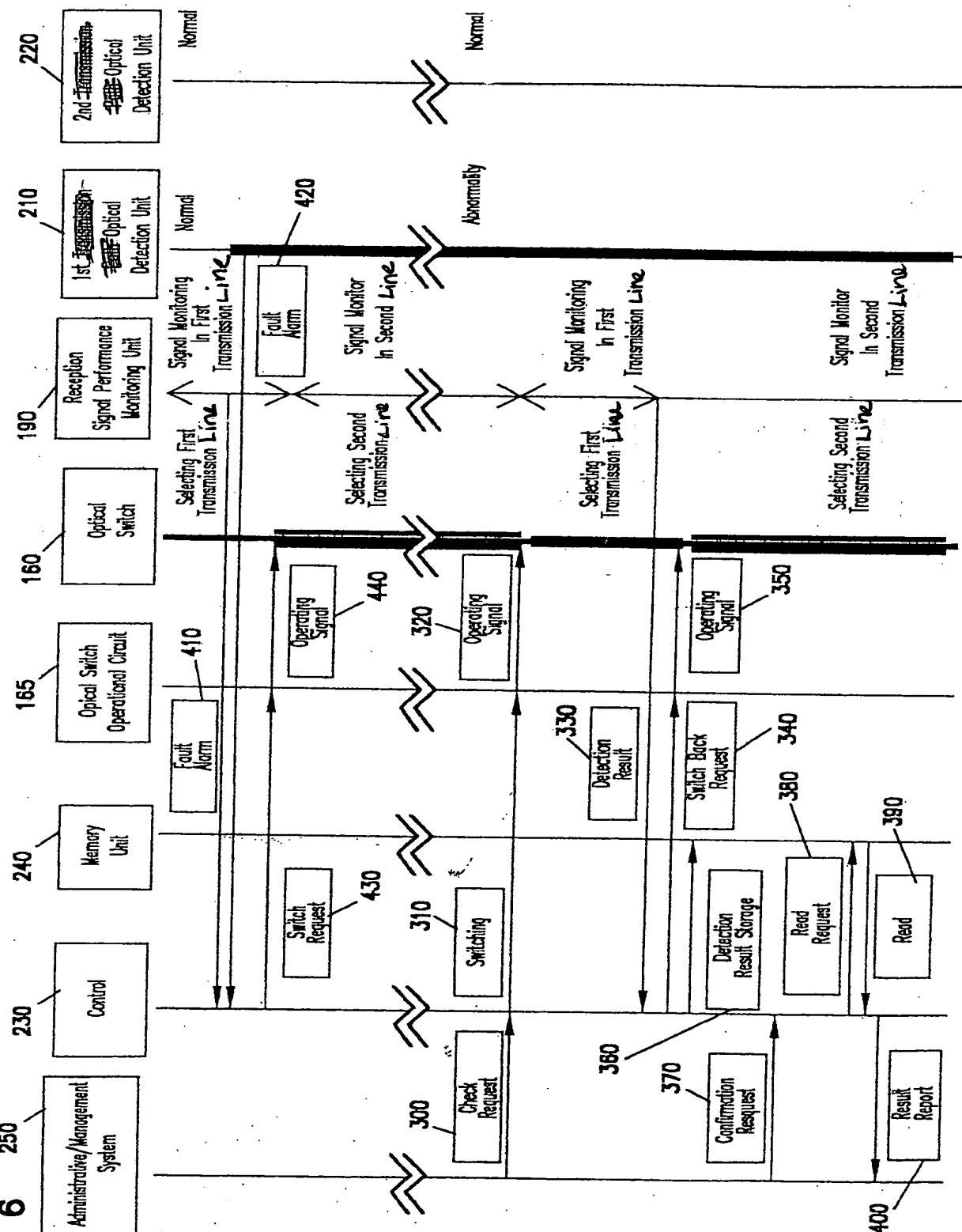
Serial No.: 09/848,916

Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version

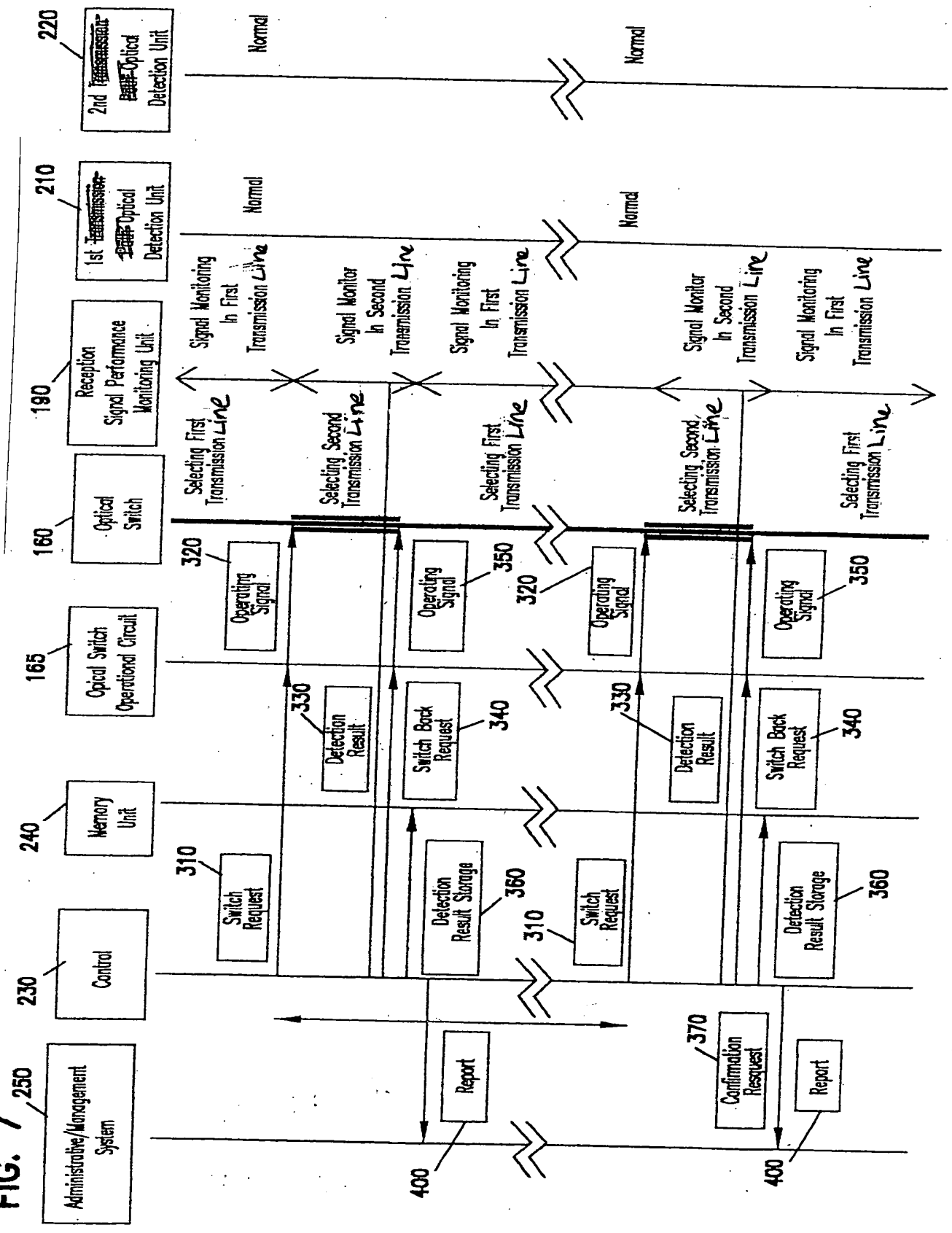
FIG. 6 250





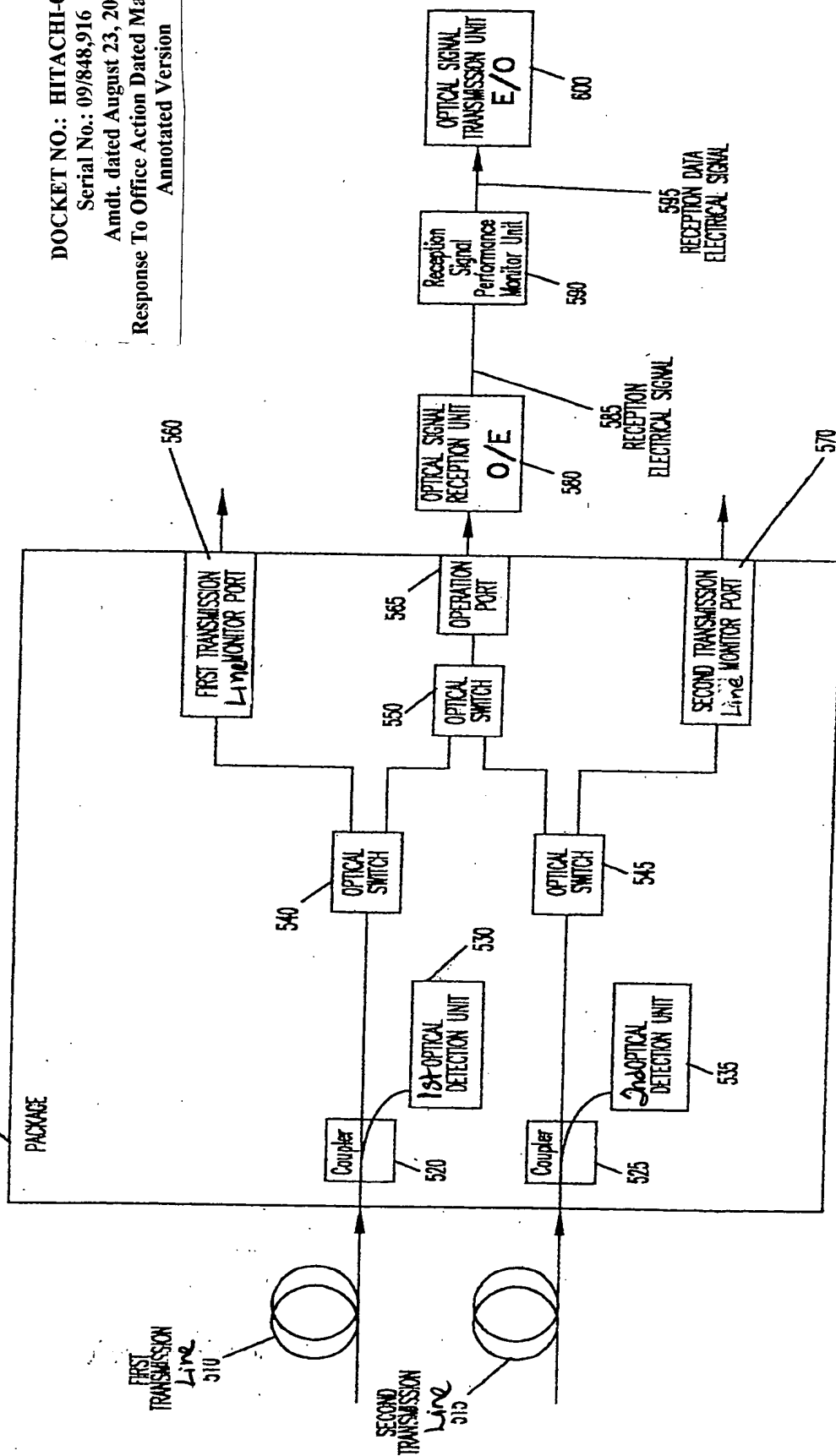
DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Annotated Version

FIG. 7



DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Annotated Version

FIG. 8



DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Annotated Version

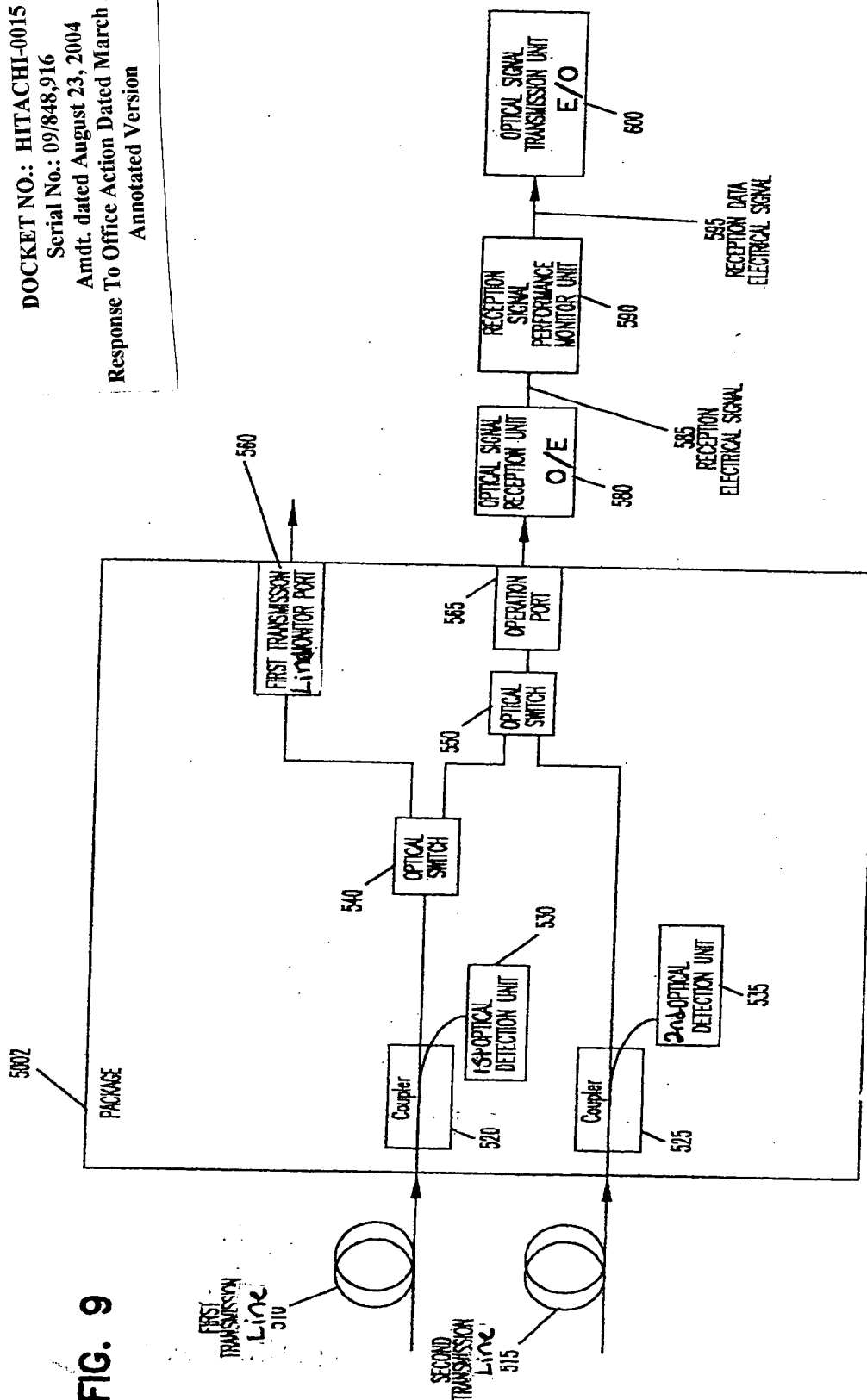
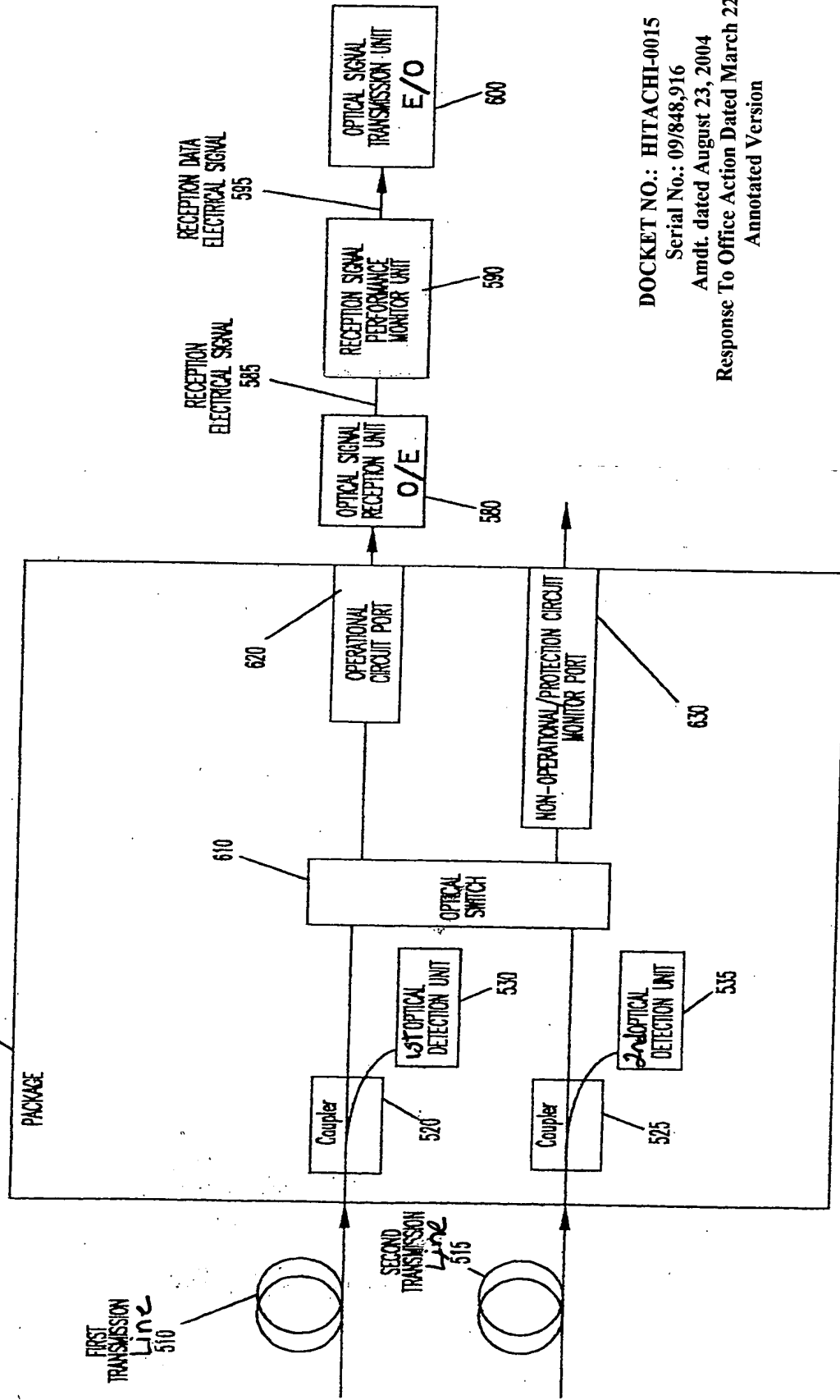


FIG. 10



DOCKET NO.: HITACHI-0015

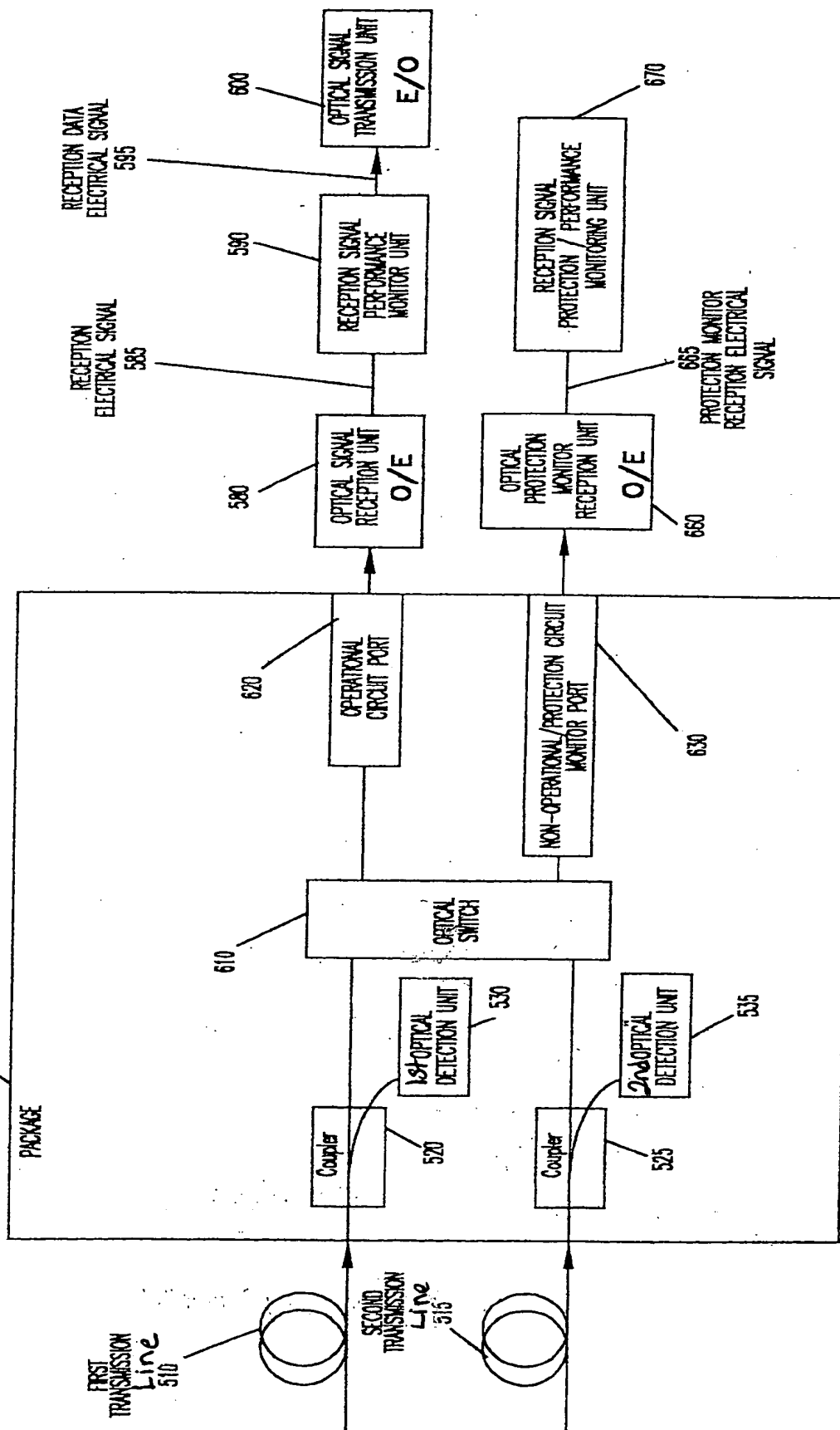
Serial No.: 09/848,916

Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version

FIG. 11



DOCKET NO.: HITACHI-0015

Serial No.: 09/848,916

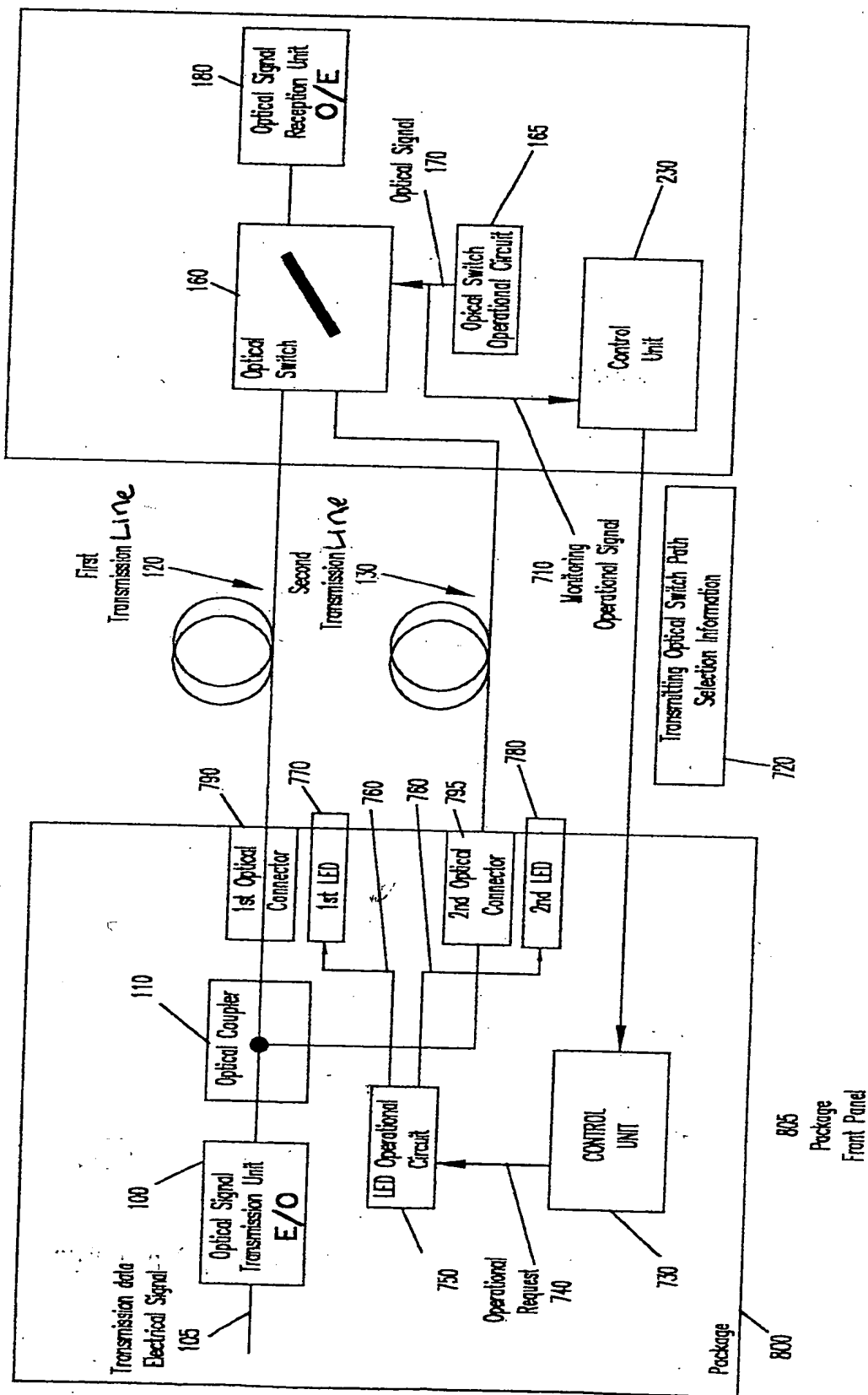
Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version

DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Annotated Version

FIG. 12



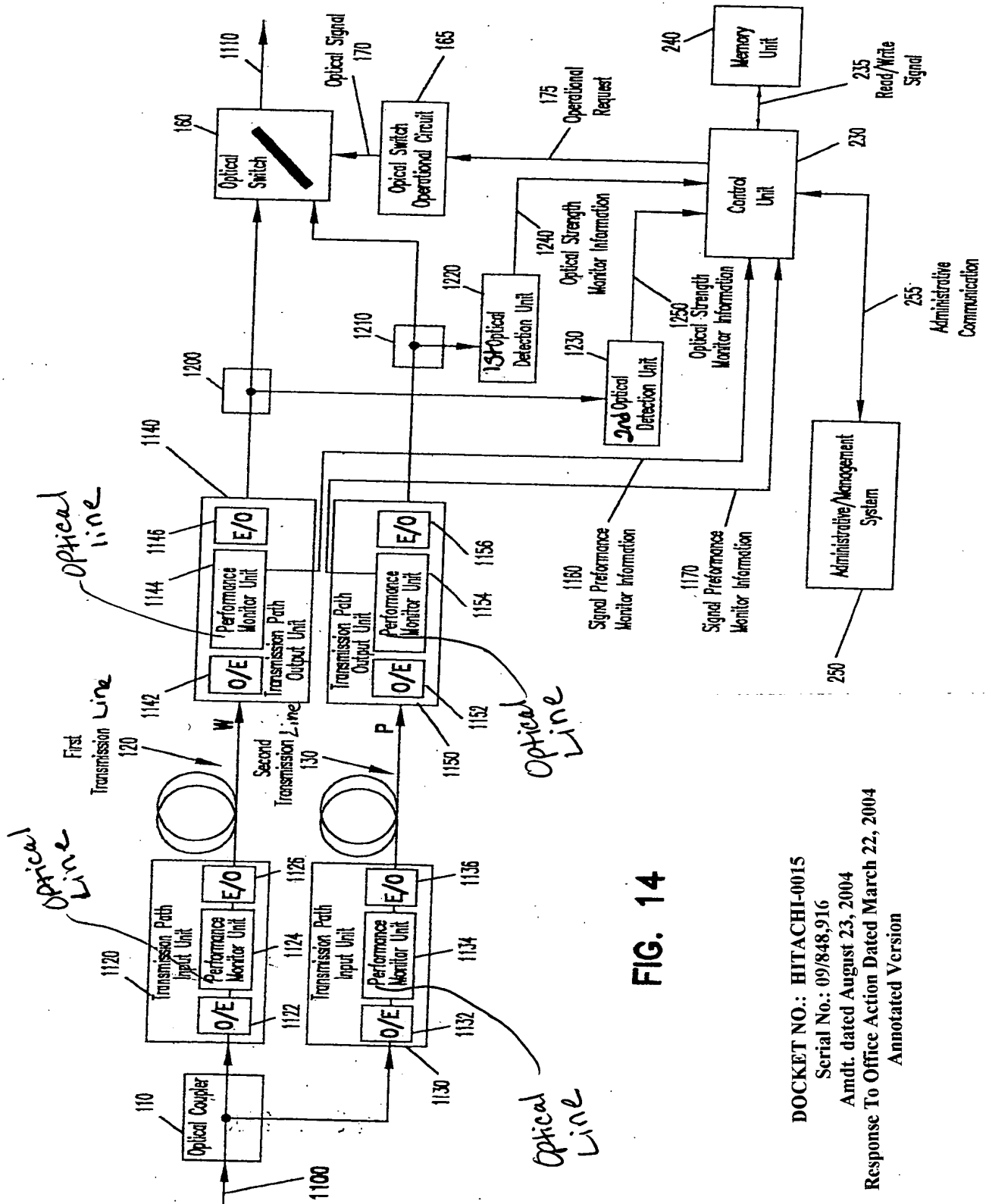


FIG. 14

DOCKET NO.: HITACHI-0015

Serial No.: 09/848,916

Amdt. dated August 23, 2004

Response To Office Action Dated March 22, 2004

Annotated Version



FIG. 15

DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Annotated Version

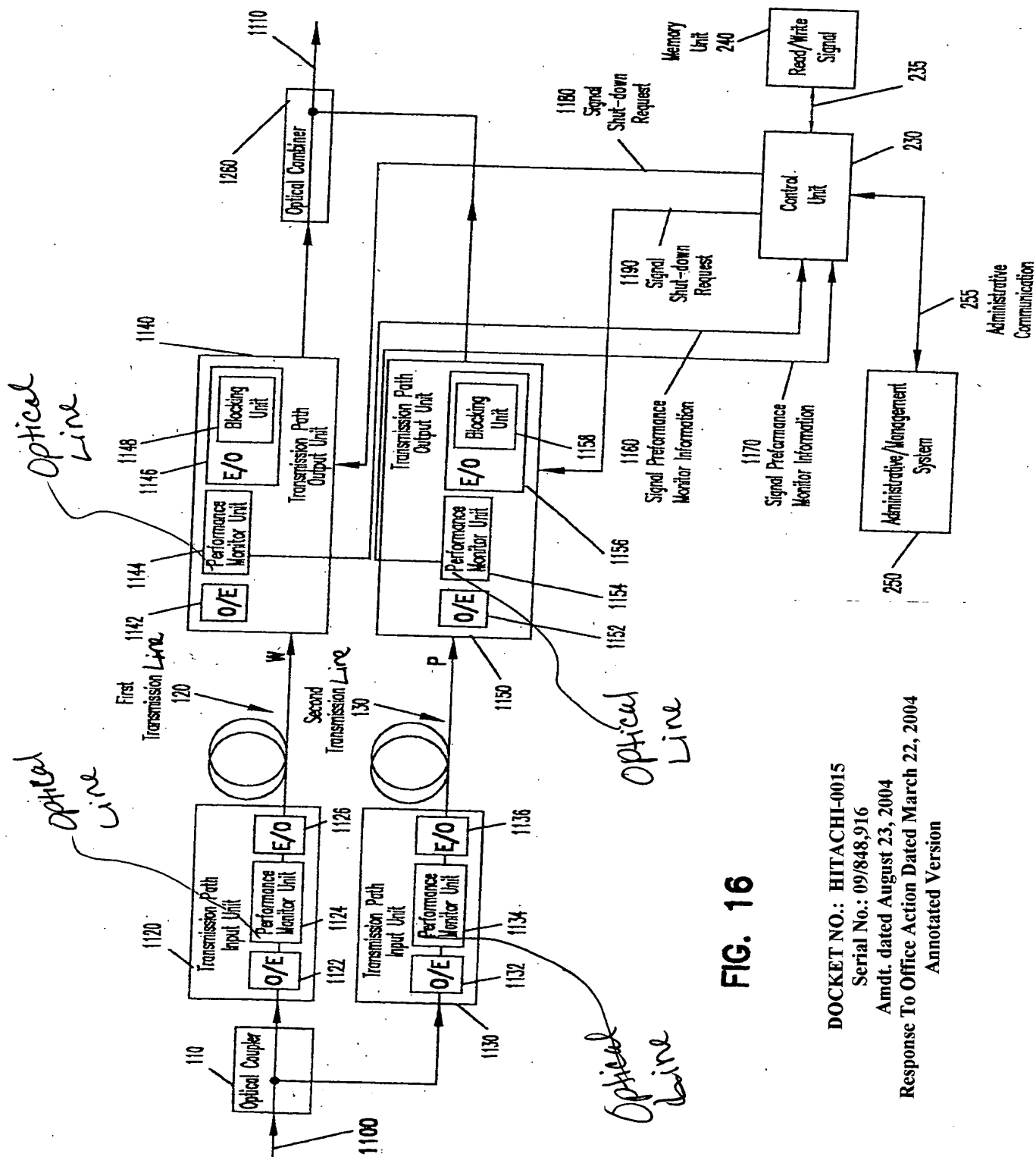
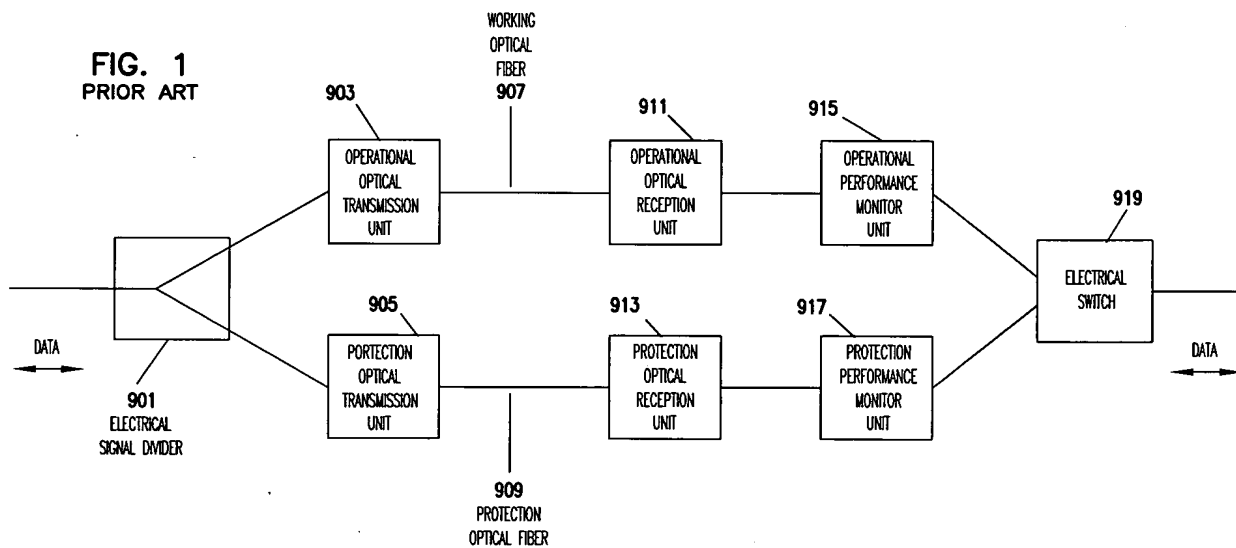


FIG. 16

DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Annotated Version



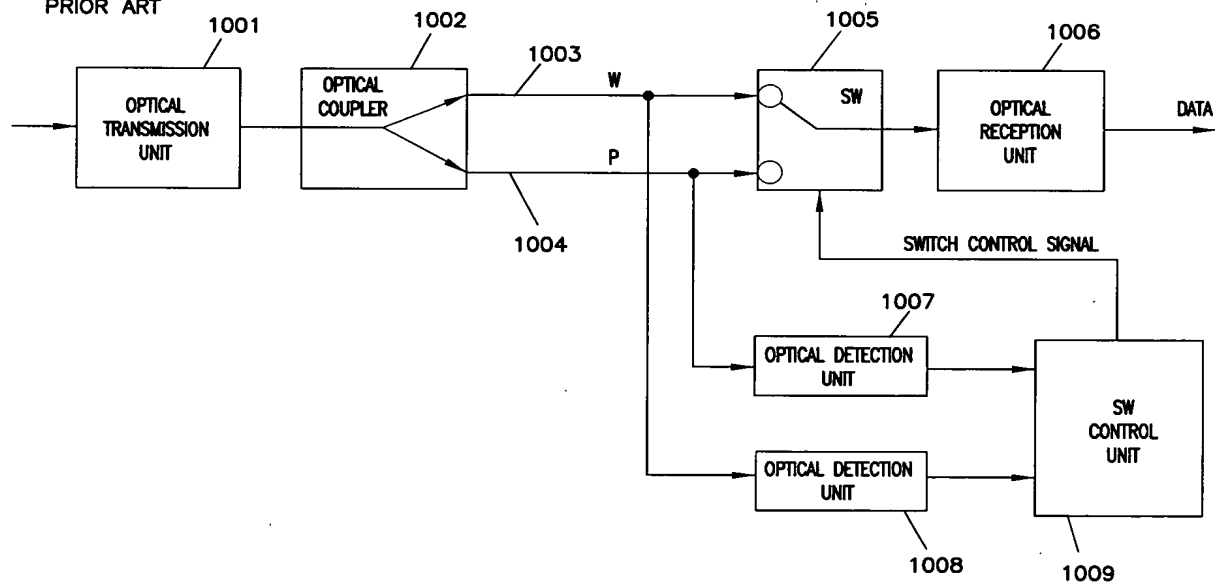
FIG. 1
PRIOR ART



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page



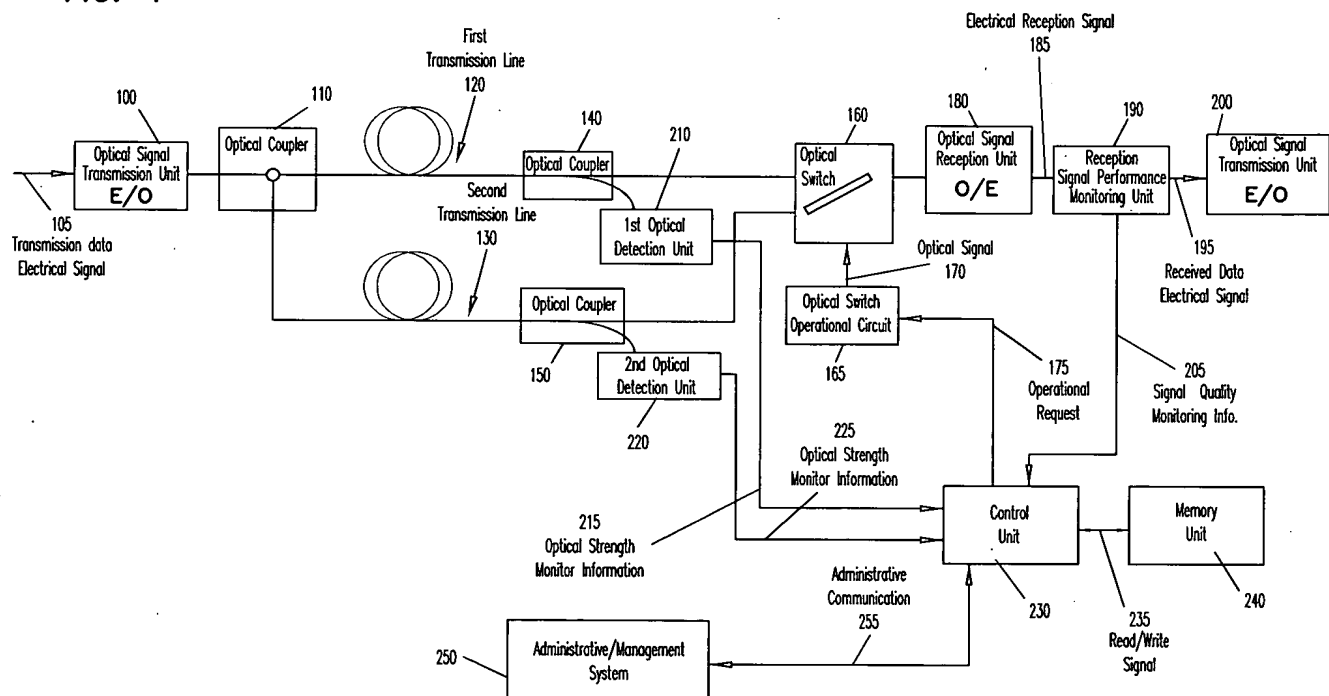
FIG. 2
PRIOR ART



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page



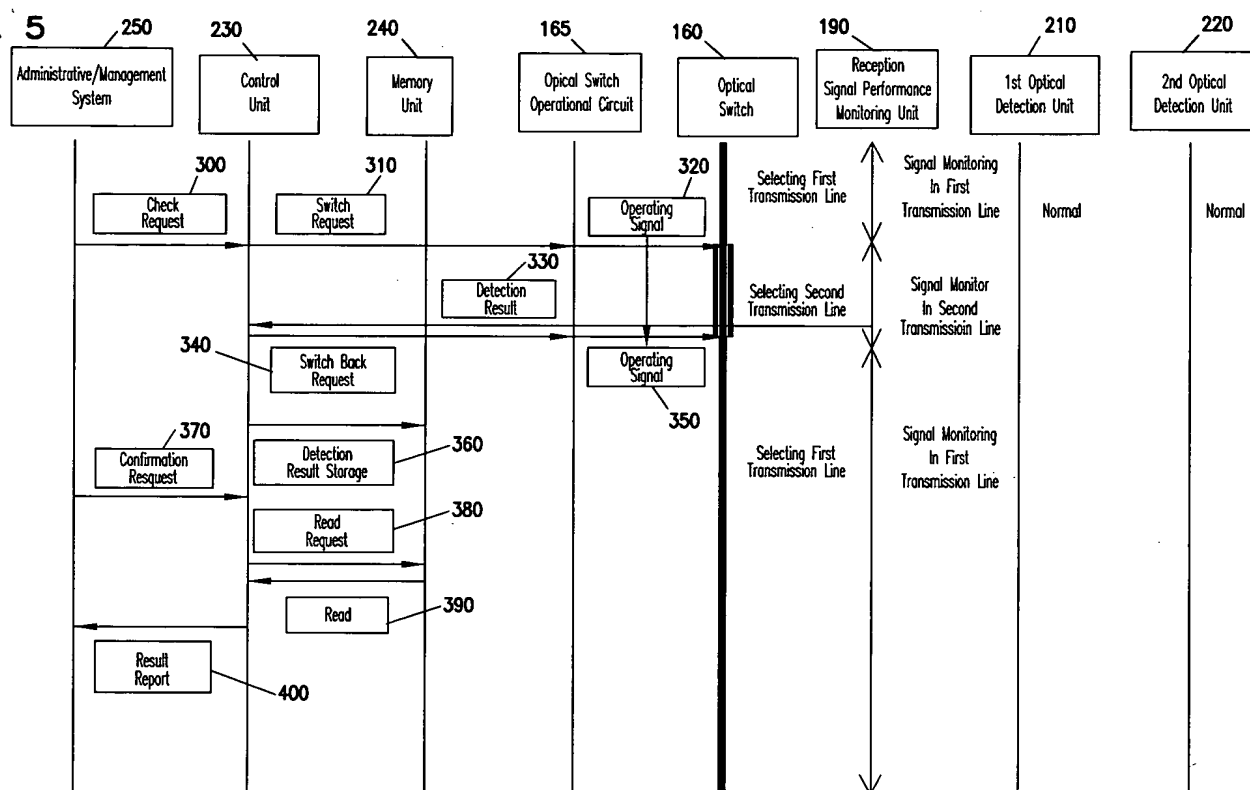
FIG. 4



DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Replacement Page



FIG. 5



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page

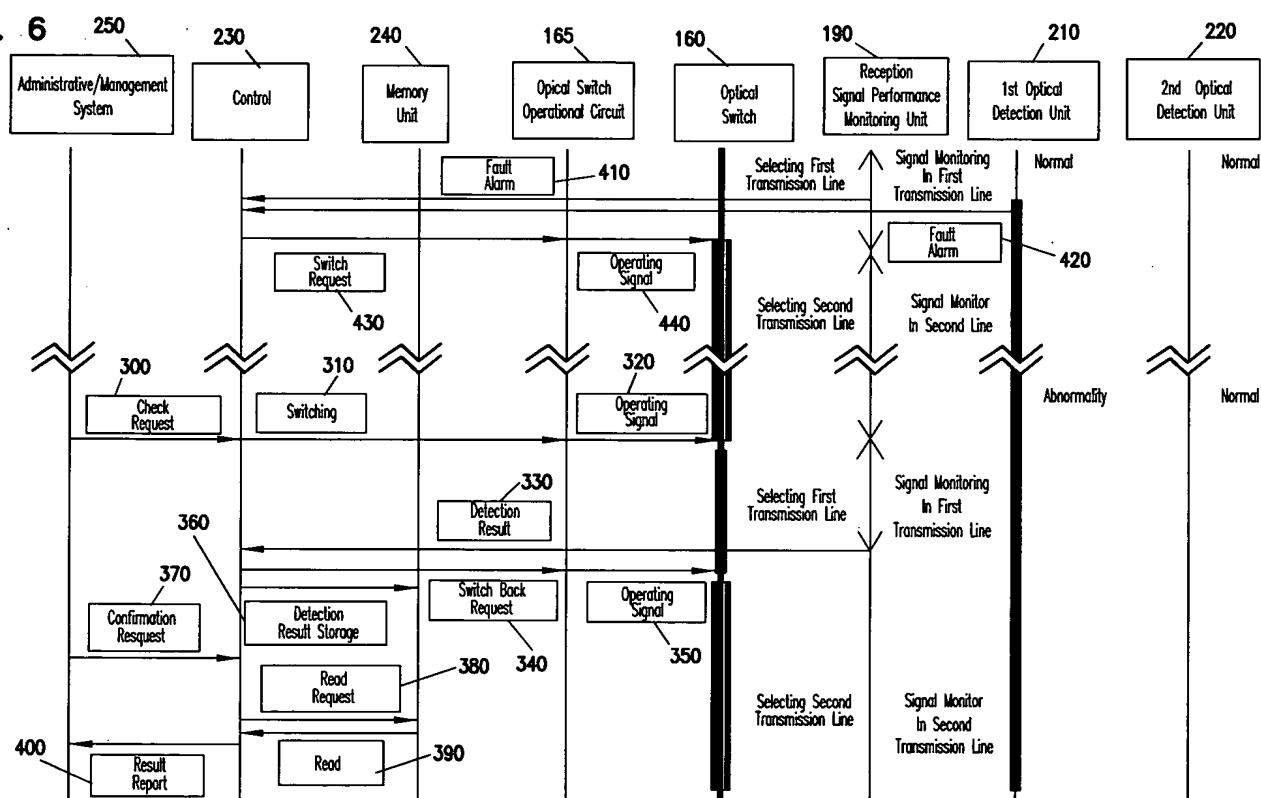
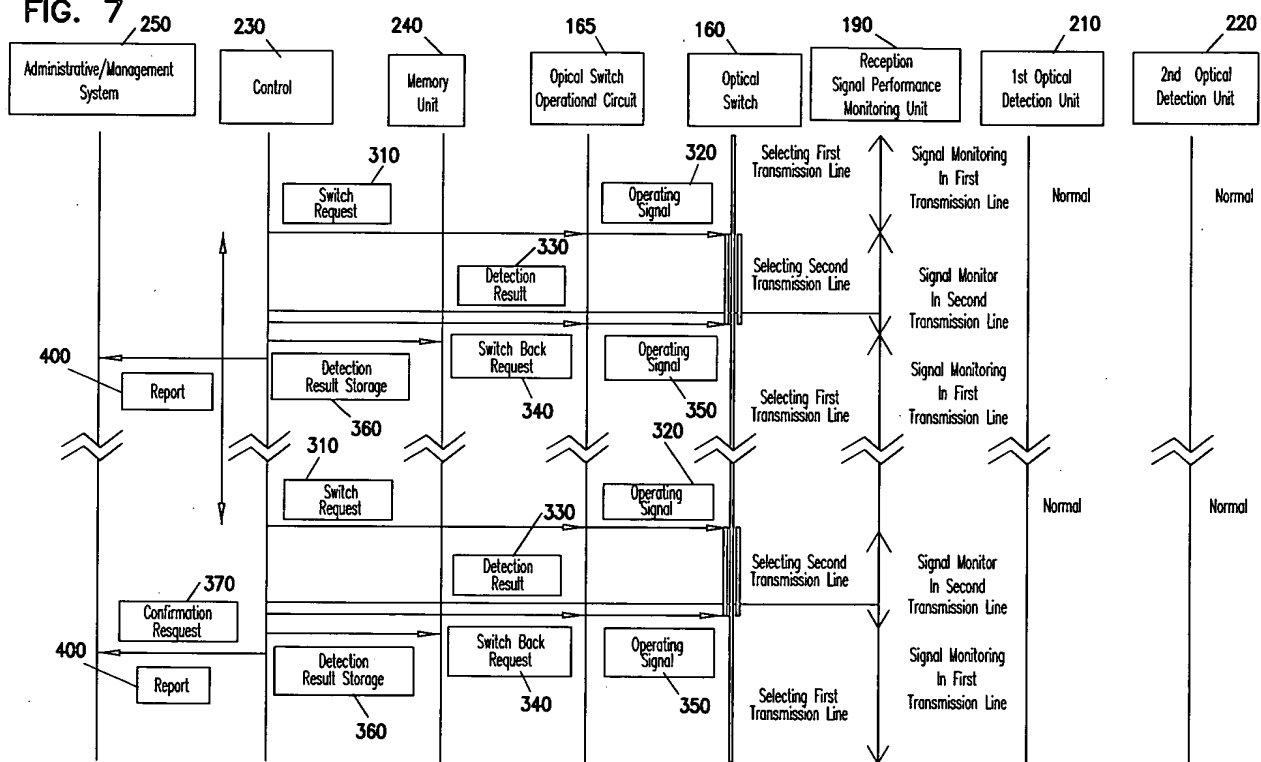




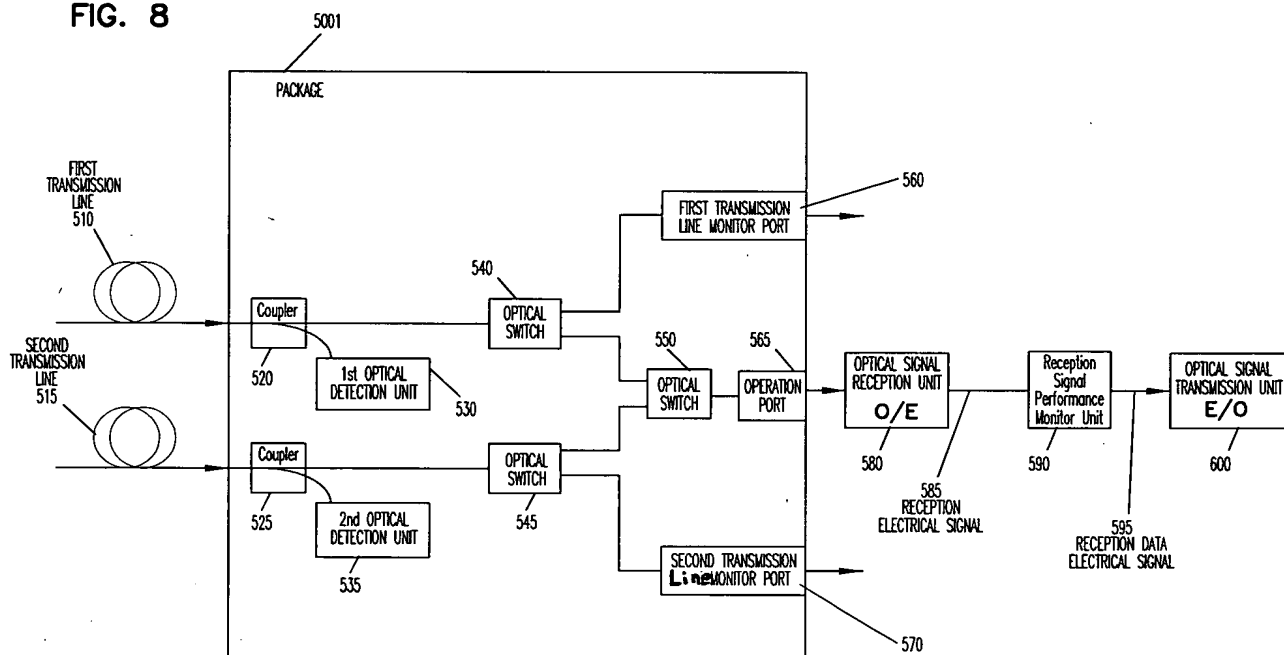
FIG. 7



DOCKET NO.: HITACHI-0015
 Serial No.: 09/848,916
 Amdt. dated August 23, 2004
 Response To Office Action Dated March 22, 2004
 Replacement Page



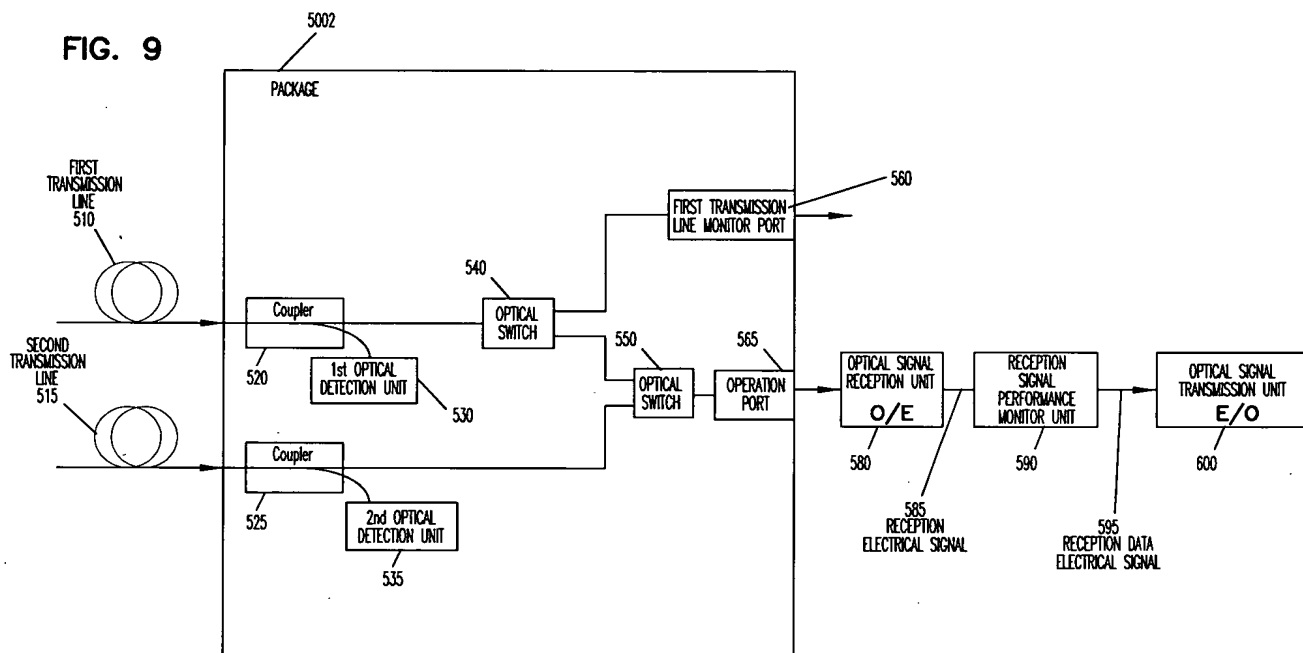
FIG. 8



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page

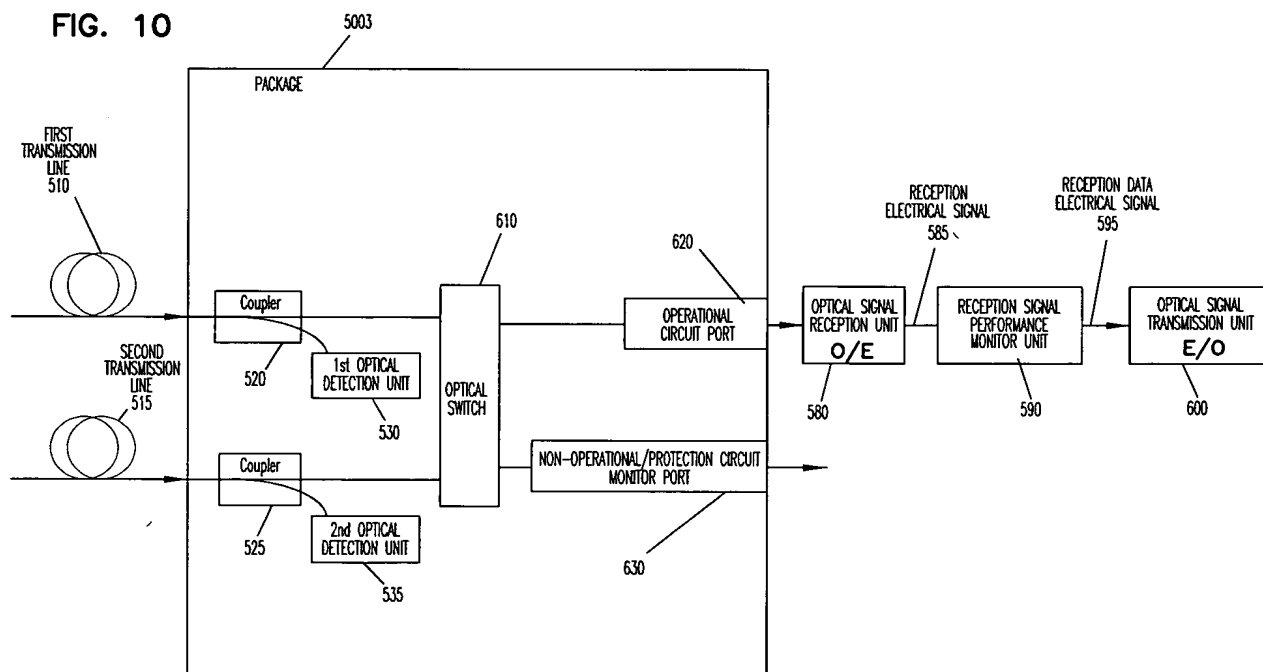


FIG. 9



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page

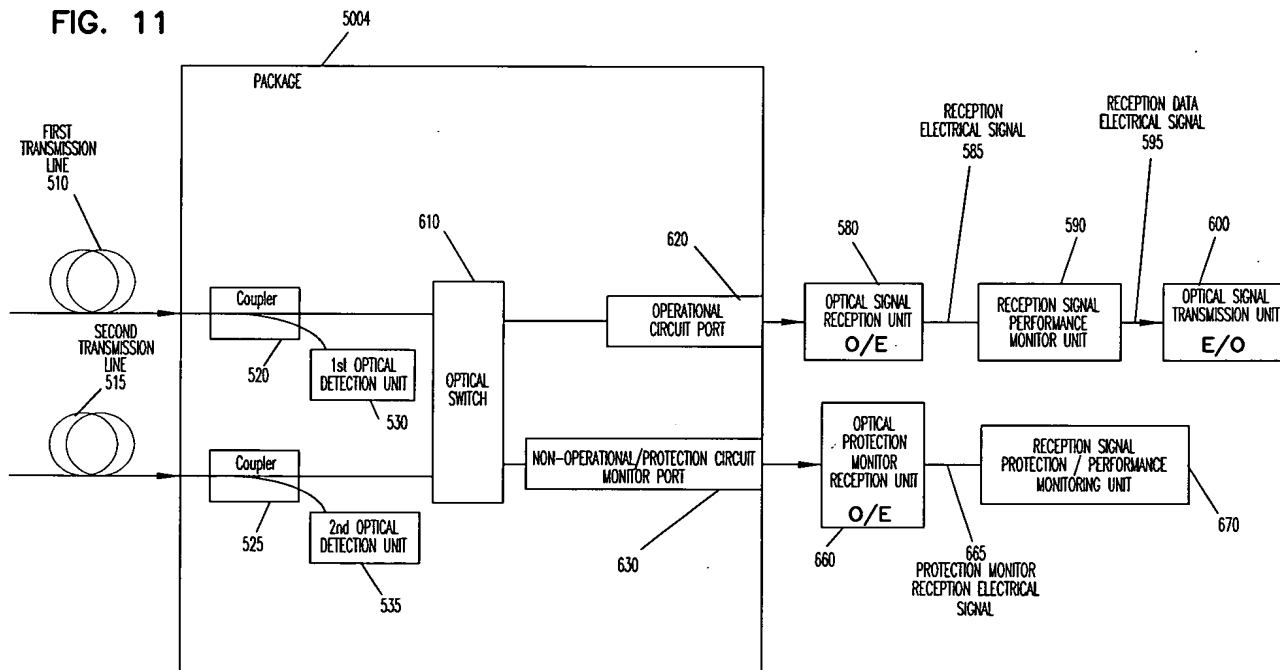
FIG. 10



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page

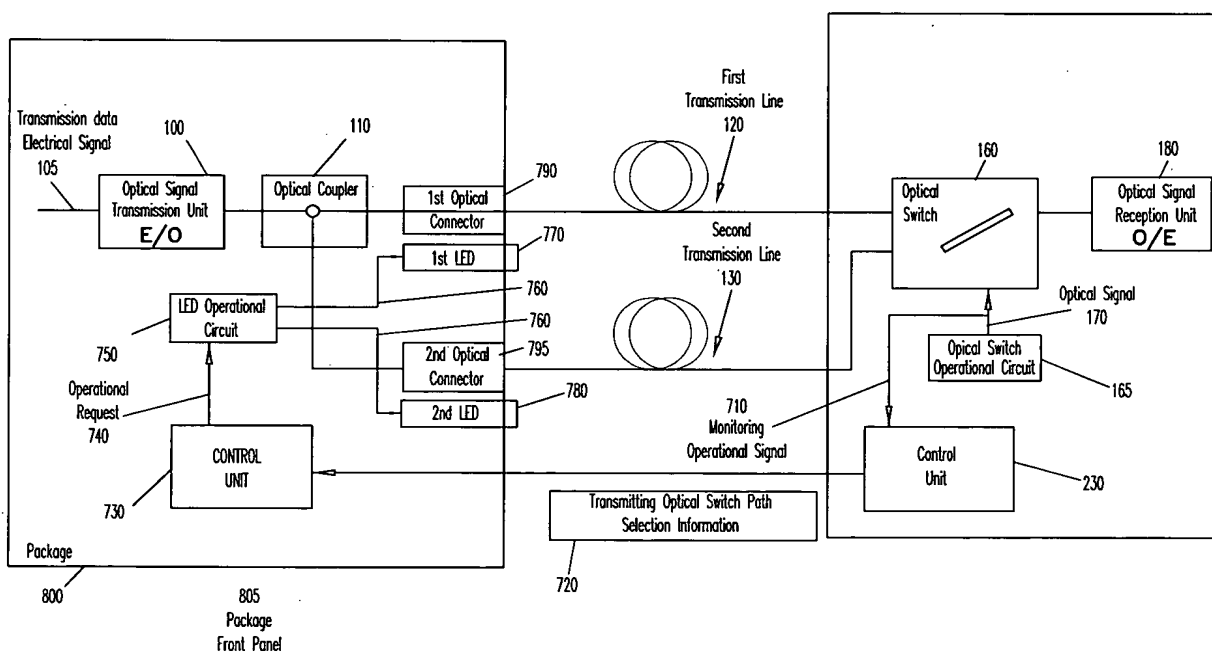


FIG. 11



DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page

FIG. 12



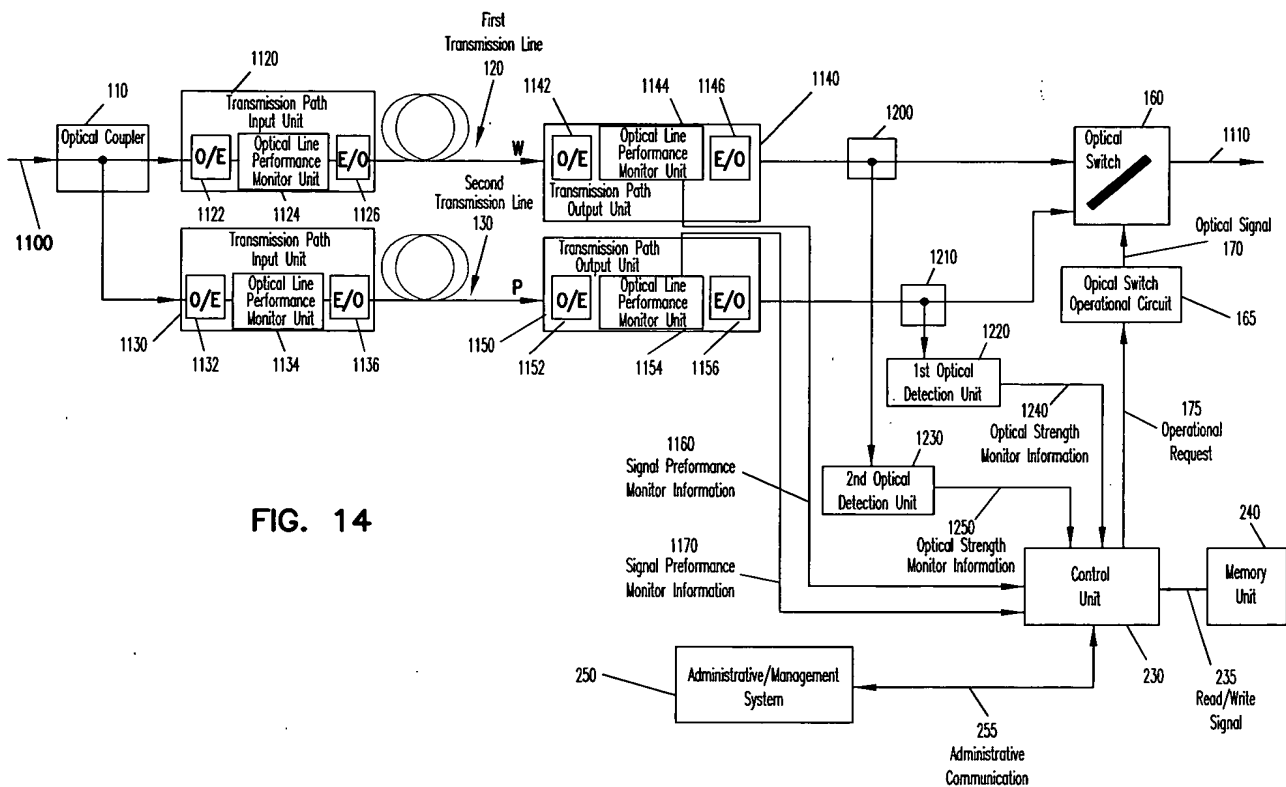


FIG. 14

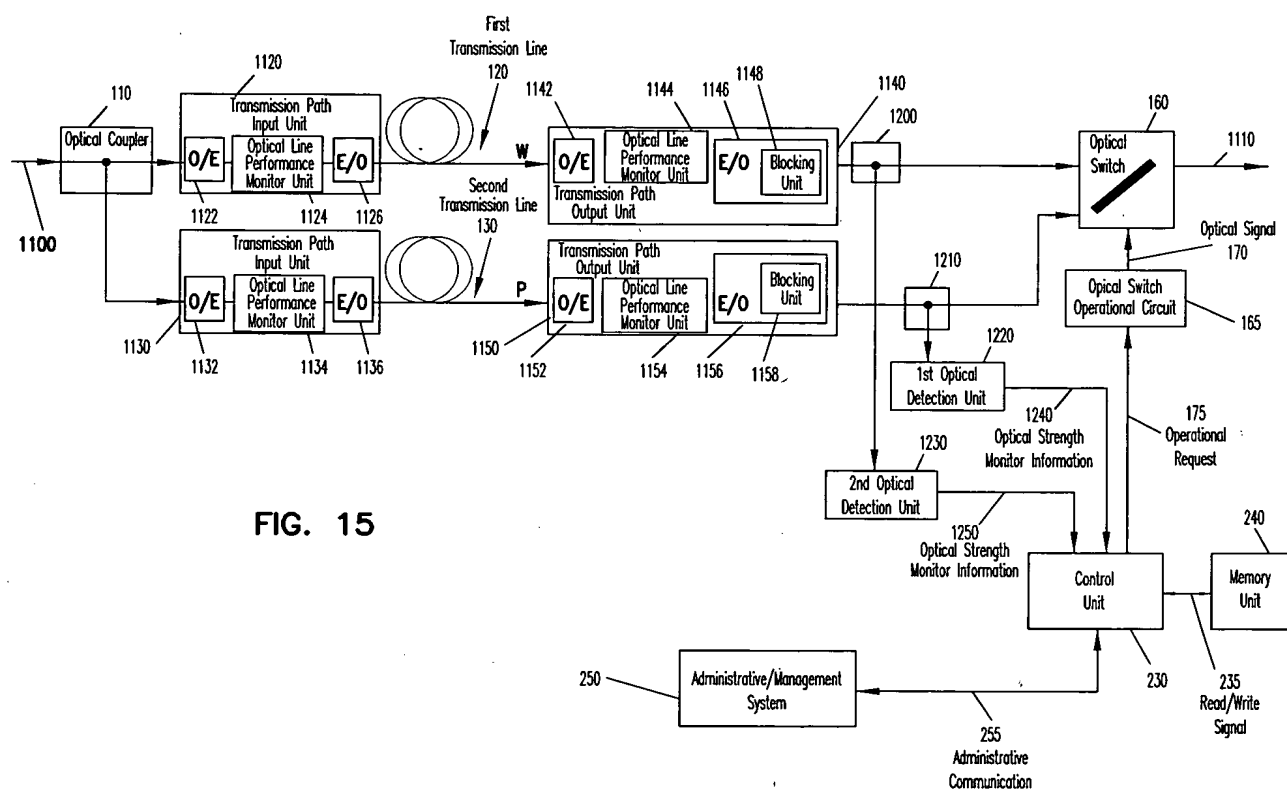


FIG. 15

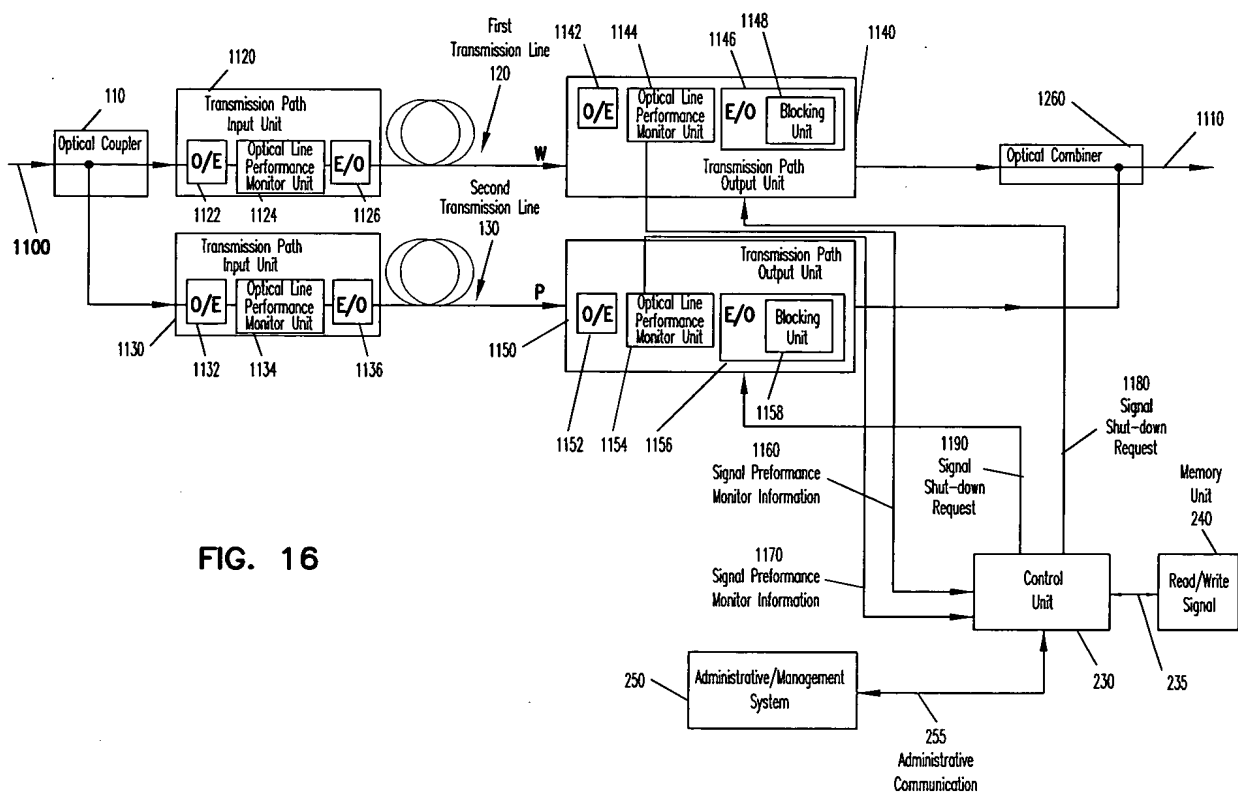


FIG. 16

DOCKET NO.: HITACHI-0015
Serial No.: 09/848,916
Amdt. dated August 23, 2004
Response To Office Action Dated March 22, 2004
Replacement Page